

2021 MAY 28 - AM 8:16



MISSISSIPPI STATE DEPARTMENT OF HEALTH

**2020 CERTIFICATION****Consumer Confidence Report (CCR)**

Poplar Springs Water Association  
Public Water System Name

# 070016 # 070024

List PWS ID #s for all Community Water Systems included in this CCR

The Federal Safe Drinking Water Act (SDWA) requires each Community Public Water System (PWS) to develop and distribute a Consumer Confidence Report (CCR) to its customers each year. Depending on the population served by the PWS, this CCR must be mailed or delivered to the customers, published in a newspaper of local circulation, or provided to the customers upon request. Make sure you follow the proper procedures when distributing the CCR.

**CCR DISTRIBUTION (Check all boxes that apply.)**

INDIRECT DELIVERY METHODS (Attach copy of publication, water bill or other)	DATE ISSUED
<input checked="" type="checkbox"/> Advertisement in local paper (Attach copy of advertisement)	5-19-21
<input type="checkbox"/> On water bills (Attach copy of bill)	
<input type="checkbox"/> Email message (Email the message to the address below)	
<input type="checkbox"/> Other _____	
DIRECT DELIVERY METHOD (Attach copy of publication, water bill or other)	DATE ISSUED
<input type="checkbox"/> Distributed via U. S. Postal Mail	
<input type="checkbox"/> Distributed via E-Mail as a URL (Provide Direct URL): _____	
<input type="checkbox"/> Distributed via E-Mail as an attachment	
<input type="checkbox"/> Distributed via E-Mail as text within the body of email message	
<input type="checkbox"/> Published in local newspaper (attach copy of published CCR or proof of publication)	
<input type="checkbox"/> Posted in public places (attach list of locations)	
<input type="checkbox"/> Posted online at the following address (Provide Direct URL): _____	

**CERTIFICATION**

I hereby certify that the CCR has been distributed to the customers of this public water system in the form and manner identified above and that I used distribution methods allowed by the SDWA. I further certify that the information included in this CCR is true and correct and is consistent with the water quality monitoring data provided to the PWS officials by the MSDH, Bureau of Public Water Supply.

Deanne Hardin  
Name

Book Keeper  
Title

5-26-21  
Date

**SUBMISSION OPTIONS (Select one method ONLY)**

**You must email, fax (not preferred), or mail a copy of the CCR and Certification to the MSDH.**

**Mail:** (U.S. Postal Service)  
MSDH, Bureau of Public Water Supply  
P.O. Box 1700  
Jackson, MS 39215

**Email:** [water.reports@msdh.ms.gov](mailto:water.reports@msdh.ms.gov)

**Fax:** (601) 576-7800

(NOT PREFERRED)

**CCR DEADLINE TO MSDH & CUSTOMERS: BY JULY 1, 2021**

PWS ID#0070016		TEST RESULTS						
Contaminant	Violation Y/N	Date Collected	Level Detected	Range of Detects or # of Samples Exceeding MCL/ACL	Unit Measure -ment	MCLG	MCL	Likely Source of Contamination

## Inorganic Contaminants

8. Arsenic	N	2020	2.3	1.7 – 2.3	ppb	n/a	10	Erosion of natural deposits; runoff from orchards; runoff from glass and electronics production wastes
10. Barium	N	2020	.0339	.0333 - .0339	ppm	2	2	Discharge of drilling wastes; discharge from metal refineries; erosion of natural deposits
13. Chromium	N	2020	1.2	1.1 – 1.2	ppb	100	100	Discharge from steel and pulp mills; erosion of natural deposits
14. Copper	N	2018/20	0	0	ppm	1.3	AL=1.3	Corrosion of household plumbing systems; erosion of natural deposits; leaching from wood preservatives
15. Cyanide	N	2018*	16	No Range	ppb	200	200	Discharge from steel/metal factories; discharge from plastic and fertilizer factories
16. Fluoride	N	2020	.5	.49 – .5	ppm	4	4	Erosion of natural deposits; water additive which promotes strong teeth; discharge from fertilizer and aluminum factories
17. Lead	N	2018/20	0	0	ppb	0	AL=15	Corrosion of household plumbing systems, erosion of natural deposits
21. Selenium	N	2020	5.2	4.6 – 5.2	ppb	50	50	Discharge from petroleum and metal refineries; erosion of natural deposits; discharge from mines
Sodium	N	2019*	250000	240000 - 250000	ppb	0	0	Road Salt, Water Treatment Chemicals, Water Softeners and Sewage Effluents.
22. Thallium	N	2020	.6	No Range	ppb	0.5	2	Leaching from ore-processing sites; discharge from electronics, glass, and drug factories

## Disinfection By-Products

81. HAA5	N	2020	1	No Range	ppb	0	60	By-Product of drinking water disinfection.
82. TTHM [Total trihalomethanes]	N	2020	1.46	No Range	ppb	0	80	By-product of drinking water chlorination.
Chlorine	N	2020	.5	.4 - .7	ppm	0	MDRL = 4	Water additive used to control microbes

## PWS ID #0070024

## TEST RESULTS

Contaminant	Violation Y/N	Date Collected	Level Detected	Range of Detects or # of Samples Exceeding MCL/ACL	Unit Measure -ment	MCLG	MCL	Likely Source of Contamination
<b>Inorganic Contaminants</b>								
8. Arsenic	N	2020	1.7	No Range	ppb	n/a	10	Erosion of natural deposits; runoff from orchards; runoff from glass and electronics production wastes
10. Barium	N	2020	0.336	No Range	ppm	2	2	Discharge of drilling wastes; discharge from metal refineries; erosion of natural deposits
13. Chromium	N	2020	1.3	No Range	ppb	100	100	Discharge from steel and pulp mills; erosion of natural deposits
14. Copper	N	2018/20	0	0	ppm	1.3	AL=1.3	Corrosion of household plumbing systems; erosion of natural deposits; leaching from wood preservatives
16. Fluoride	N	2020	.506	No Range	ppm	4	4	Erosion of natural deposits; water additive which promotes strong teeth; discharge from fertilizer and aluminum factories

17. Lead	N	2018/20	0	0	ppb	0	AL=15	Corrosion of household plumbing systems, erosion of natural deposits
21. Selenium	N	2020	5	No Range	ppb	50	50	Discharge from petroleum and metal refineries; erosion of natural deposits; discharge from mines
Sodium	N	2019*	250000	No Range	ppb	0	0	Road Salt, Water Treatment Chemicals, Water Softeners and Sewage Effluents.
22. Thallium	N	2020	.6	No Range	ppb	0.5	2	Leaching from ore-processing sites; discharge from electronics, glass, and drug factories

## Disinfection By-Products

81. HAA5	N	2020	1	No Range	ppb	0	60	By-Product of drinking water disinfection.
82. TTHM [Total trihalomethanes]	N	2020	1.6	No Range	ppb	0	80	By-product of drinking water chlorination.
Chlorine	N	2020	.6	.4 – .7	ppm	0	MDRL = 4	Water additive used to control microbes

\* Most recent sample. No sample required for 2020.

As you can see by the table, our system had no contaminant violations. We're proud that your drinking water meets or exceeds all Federal and State requirements. We have learned through our monitoring and testing that some contaminants have been detected however the EPA has determined that your water IS SAFE at these levels.

In November 2020 both of our systems received a monitoring violation, we did not complete all monitoring or testing for bacteriological and Chlorine contaminants and therefore cannot be sure of the quality of our drinking water during that time. We were required to take 2 samples and took none. We have since taken the required sample that showed we are meeting drinking water standards. We also did not completed the testing for Lead & Copper.

We are required to monitor your drinking water for specific contaminants on a monthly basis. Results of regular monitoring are an indicator of whether or not our drinking water meets health standards. We did complete the monitoring requirements for bacteriological sampling that showed no coliform present. In an effort to ensure systems complete all monitoring requirements, MSDH now notifies systems of any missing samples prior to the end of the compliance period.

If present, elevated levels of lead can cause serious health problems, especially for pregnant women and young children. Lead in drinking water is primarily from materials and components associated with service lines and home plumbing. Our water system is responsible for providing high quality drinking water, but cannot control the variety of materials used in plumbing components. When your water has been sitting for several hours, you can minimize the potential for lead exposure by flushing your tap for 30 seconds to 2 minutes before using water for drinking or cooking. If you are concerned about lead in your water, you may wish to have your water tested. Information on lead in drinking water, testing methods, and steps you can take to minimize exposure is available from the Safe Drinking Water Hotline or at <http://www.epa.gov/safewater/lead>. The Mississippi State Department of Health Public Health Laboratory offers lead testing. Please contact 601.576.7582 if you wish to have your water tested.

All sources of drinking water are subject to potential contamination by substances that are naturally occurring or man made. These substances can be microbes, inorganic or organic chemicals and radioactive substances. All drinking water, including bottled water, may reasonably be expected to contain at least small amounts of some contaminants. The presence of contaminants does not necessarily indicate that the water poses a health risk. More information about contaminants and potential health effects can be obtained by calling the Environmental Protection Agency's Safe Drinking Water Hotline at 1.800.426.4791.

Some people may be more vulnerable to contaminants in drinking water than the general population. Immuno-compromised persons such as persons with cancer undergoing chemotherapy, persons who have undergone organ transplants, people with HIV/AIDS or other immune system disorders, some elderly, and infants can be particularly at risk from infections. These people should seek advice about drinking water from their health care providers. EPA/CDC guidelines on appropriate means to lessen the risk of infection by cryptosporidium and other microbiological contaminants are available from the Safe Drinking Water Hotline 1.800.426.4791.

The Poplar Springs Water Association works around the clock to provide top quality water to every tap. We ask that all our customers help us protect our water sources, which are the heart of our community, our way of life and our children's future.

You're pleased to present to you this year's Annual Quality Water Report. This report is designed to inform you about the quality of water and services we deliver to you every day. Our primary goal is to provide you with a safe and dependable supply of drinking water. We want you to understand the efforts we make to continually improve the water treatment process and protect our water resources. We are committed to ensuring the quality of your water.

Our water source is from wells drawing from the Corder Formation Aquifer. The source water assessment has been completed for our public water system to determine the current susceptibility of its drinking water supply to identified potential sources of contamination. A report summarizing relevant information on how the vulnerability assessments were made has been furnished to our public water system and is available for viewing upon request. The tests for the Potter Springs Water Association have received lower susceptibility rankings to contamination.

If you have any questions about this report or concerning your water utility, please contact Charles Mahan at 862.903.0051. We want our valued customers to be informed about their water story. If you want to learn more, please attend the meeting scheduled for August 24, 2021 at 7:00 PM at the Vandenberg Community Center.

We routinely monitor for contaminants in your drinking water according to Federal and State laws. This table below lists all of the drinking water contaminants that were released during the period of January 1<sup>st</sup> to December 31<sup>st</sup>, 2020. In cases where monitoring wasn't required in 2020, the table reflects the most recent results. As water flows over the surface of land or underground, it picks up naturally occurring minerals and, in some cases, radioactive materials and can pick up substances or contaminants from the processes of animals or from human activity. Inorganic contaminants, such as viruses and bacteria, that may come from sewage treatment plants, septic systems, agricultural livestock operations, and wildlife; synthetic contaminants, such as salts and metals, which can be naturally occurring or result from urban storm-water runoff, industrial, or domestic wastewater discharges, air and gas production, mining, or farming; pesticides and herbicides, which may come from a variety of sources such as agriculture, urban storm-water runoff, and residential uses; organic chemical contaminants, including synthetic and volatile organic chemicals, which are by-products of industrial processes and petroleum production, and can also come from gas stations and waste systems; radioactive contaminants, which can be naturally occurring or be the result of oil and gas production and mining activities. In order to ensure that the water is safe to drink, EPA prescribes regulations that limit the amount of certain contaminants in water provided by public water systems. All drinking water, including bottled drinking water, may be reasonably expected to contain at least small amounts of some contaminants. It's important to remember that the presence of these contaminants does not necessarily indicate that the water poses a health risk.

In this table you will find many terms and abbreviations you might not be familiar with. To help you better understand these terms we've provided the following definitions:

**Action Level** - the concentration of a contaminant which, if established, triggers treatment or other requirements which a water system must follow.

**Maximum Contaminant Level (MCL)** - The "Maximum Allowed" (MCL) is the highest level of a contaminant that is allowed in drinking water. MCLs are set as close to the MCLGs as feasible using the best available treatment technology.

**Maximum Contaminant Level Goal (MCLG)** - The "Goal" (MCLG) is the level of a contaminant in drinking water below which there is no known or expected risk to health. MCLGs allow for a margin of safety.

**Maximum Residual Disinfectant Level (MRDL)** - The highest level of a disinfectant allowed in drinking water. There is convincing evidence that addition of a disinfectant is necessary for control microbial contaminants.

**Maximum Residual Disinfectant Level Goal (MRDLG)** - The level of a drinking water disinfectant below which there is no known or expected risk to health. MRDLGs do not reflect the benefits of the use of disinfectants to control microbial contaminants.

**Parts per million (ppm) or Milligrams per liter (mg/L)** - one part per million corresponds to one thousandth of a single penny in \$10,000.

**Parts per billion (ppb) or Micrograms per liter** - one part per billion corresponds to one millionth of a single penny in \$10,000,000.

PWS ID#0070016 TEST RESULTS							
Contaminant	Violation Y/N	Date Collected	Level Detected	Range of Results at # of Samples Exceeding MCL/MCLG	Unit Measurement	MCLG	MCL
Likely Source of Contaminant							

Inorganic Contaminants							
8. Arsenic	N	2020	2.0	1.7 - 2.3	ppb	N/A	10
Emission of natural deposits; runoff from agriculture; runoff from glass and electronic manufacturing wastes.							
10. Barium	N	2020	0.039	0.033 - 0.039	ppm	2	2
Discharge of drilling wastes; discharge from metal refineries; emission of natural deposits.							
13. Chromium	N	2020	1.7	1.1 - 1.2	ppb	100	100
Discharge from steel and pulp mills; seepage of natural deposits.							
14. Copper	N	2018/20	0	0	ppm	1.3	AL=1.3
Corrosion of household plumbing systems; erosion of natural deposits; discharge from metal refineries.							
15. Cyanide	N	2018*	18	No Range	ppb	200	200
Discharge from steelmaking facilities; discharge from plastic and fertilizer factories.							
16. Fluoride	N	2020	3	0.9 - 3	ppm	4	4
Emission of natural deposits; water softening which promotes strong leach; discharge from fertilizer and aluminum facilities.							
17. Lead	N	2018/20	0	0	ppb	0	AL=15
Corrosion of household plumbing systems; erosion of natural deposits.							
21. Selenium	N	2020	0.2	0.1 - 0.2	ppb	50	50
Discharge from petroleum and metal refineries; erosion of natural deposits; discharge from mines.							
Sodium	N	2018*	250000	240000 - 250000	ppm	0	0
Road Salt, Water Treatment Chemicals, Water Softeners and Seawater Intrusion.							
22. Thallium	N	2020	0	No Range	ppb	0.5	0.5
Leaching from ore processing slates; discharge from electronics, glass, and drug factories.							

Disinfection By-Products							
81. HAA5	N	2020	1	No Range	ppm	0	60
By-product of drinking water disinfection.							
82. THM5 (Total trihalomethanes)	N	2020	1.46	No Range	ppm	0	50
By-product of drinking water disinfection.							
Chlorine	N	2020	0	0 - 2	ppm	0	MCLG = 4
Water additive used to control microbes.							

PWS ID #0070024 TEST RESULTS							
Contaminant	Violation Y/N	Date Collected	Level Detected	Range of Results at # of Samples Exceeding MCL/MCLG	Unit Measurement	MCLG	MCL
Likely Source of Contaminant							

Inorganic Contaminants							
8. Arsenic	N	2020	1.7	No Range	ppb	N/A	10
Emission of natural deposits; runoff from agriculture; runoff from glass and electronic manufacturing wastes.							
10. Barium	N	2020	0.039	No Range	ppm	2	2
Discharge of drilling wastes; discharge from metal refineries; emission of natural deposits.							
13. Chromium	N	2020	1.7	No Range	ppb	100	100
Discharge from steel and pulp mills; seepage of natural deposits.							
14. Copper	N	2018/20	0	0	ppm	1.3	AL=1.3
Corrosion of household plumbing systems; erosion of natural deposits; discharge from metal refineries.							
15. Fluoride	N	2020	3	No Range	ppm	4	4
Emission of natural deposits; water softening which promotes strong leach; discharge from fertilizer and aluminum facilities.							
17. Lead	N	2018/20	0	0	ppb	0	AL=15
Corrosion of household plumbing systems; erosion of natural deposits.							
21. Selenium	N	2020	0	No Range	ppb	50	50
Discharge from petroleum and metal refineries; erosion of natural deposits; discharge from mines.							
Sodium	N	2018*	250000	No Range	ppm	0	0
Road Salt, Water Treatment Chemicals, Water Softeners and Seawater Intrusion.							
22. Thallium	N	2020	0	No Range	ppb	0.5	0.5
Leaching from ore processing slates; discharge from electronics, glass, and drug factories.							

Disinfection By-Products							
81. HAA5	N	2020	1	No Range	ppm	0	60
By-product of drinking water disinfection.							
82. THM5 (Total trihalomethanes)	N	2020	1.5	No Range	ppm	0	50
By-product of drinking water disinfection.							
Chlorine	N	2020	0	0 - 2	ppm	0	MCLG = 4
Water additive used to control microbes.							

\* Most recent sample. No sample required for 2020.

As you can see by the table, our system had no contaminant violations. We're proud that your drinking water meets or exceeds all Federal and State requirements. We have learned through our monitoring and testing that some contaminants have been detected however the EPA has determined that your water is SAFE at these levels.

In November 2020 both of our systems received a monitoring violation, we did not complete all monitoring or testing for bacteriological and chlorine contaminants and therefore cannot be sure of the quality of our drinking water during that time. We were required to take 2 samples and test them. We have since taken the required sample that showed we are meeting drinking water standards. We did not complete the testing for Lead and Copper.

For a complete list of contaminants not in this table, results of regular monitoring are at